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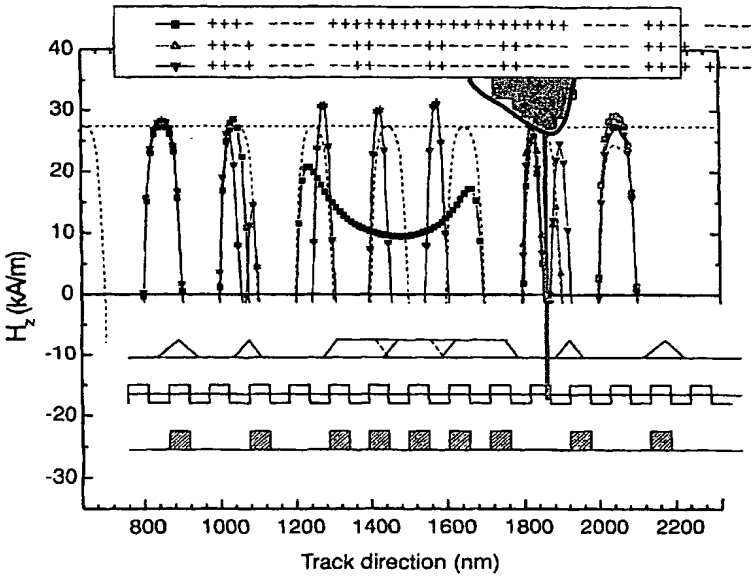
(54) Title: STRAY FIELD EQUALIZATION FOR IMPROVED DOMAIN EXPANSION READING



(57) Abstract: The present invention relates to magneto-optical recording technique by which an improved domain expansion reading is achieved. A mark region is recorded as a sub-mark portion and an adjacent sub-space portion, wherein the sum of said predetermined first and second lengths is changed in dependence said pattern of marks and spaces. The proposed write strategy allows to write a long run length with sub-mark and/or sub-space lengths selected independent of the channel bit length, such that a long run length can be written with few well-chosen domains with a stray field larger than the minimum field for MAMMOS readout. In this way, differences in readout conditions for all combinations of short and long run lengths can be eliminated, resulting in substantially improved power margins for random data.

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